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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03224

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 C07C315/04 C07C317/24 C07C317/44

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Y. KOTESWAR RAO ET AL: SYNTHESIS, 1984, pages 757-758, XP002257838 page 758, synthesis of compound 4 -----	1,5
A	T.E. GUNDA: SYNTHETIC COMMUNICATIONS, vol. 22, no. 20, 1992, pages 2979-2986, XP0001091311 page 2983, lines 12-18 -----	6
A	R.R. WROBLE ET AL: J. ORG. CHEM., vol. 41, no. 17, 1976, pages 2939-2940, XP002257839 page 2940, table I, entry 4 ----- -/-	7,8

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

23 October 2003

Date of mailing of the international search report

10/11/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	B. GANEM ET AL: J. ORG. CHEM., vol. 40, no. 19, 1975, pages 2846-2848, XP002257840 page 2847, table I -----	7
A	"HOUBEN-WEYL METHODEN DER ORGANISCHEN CHEMIE, Suppl. to 4th Edition, Vol E3" 1983, GEORG THIEME VERLAG, STUTTGART, DE , XP002257841 pages 480, 482 -----	7
A	M. PETRZILKA: MOL. CRYST. LIQ. CRYST., vol. 131, 1985, pages 109-123, XP0001091310 page 120, line 26 - page 121, line 14 -----	7,10
A	EP 1 122 234 A (SUMIKA FINE CHEMICALS CO LTD) 8 August 2001 (2001-08-08) example 5 -----	
P,A	WO 02 081435 A (MERCK SHARP & DOHME LTD) 17 October 2002 (2002-10-17) cited in the application examples 148, 149, 183, 224 -----	1,12,13

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/GB 03/03224

Patent document cited in search report	Publication date	Patent family member(s)			Publication date
EP 1122234	A 08-08-2001	JP 2001213816 A	JP 2002193872 A	EP 1122234 A2	07-08-2001 10-07-2002 08-08-2001
WO 02081435	A 17-10-2002	WO 02081435 A1			06-09-2001 17-10-2002